

Patent document as a technology mapping tool in the Brazilian energy sector focused on the oil, gas and coke industries: A parallel between residents and non-residents

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The present work aims at mapping technologies associated to the oil, gas and coke industries which currently account for 51.5% of the Brazilian energy matrix, through an analysis of patent applications filed in Brazil. The patent applications filed by residents and non-residents at Brazilian National Institute of Industrial Property (INPI) in the period from 1980 to 2010 may provide valuable contributions to the investigation of technology flows in the country. To achieve the purpose of this study, the class C10 of the International Patent Classification (IPC) was used as a search term as well as Brazil as the country of filing. The results show which IPC subclasses, and consequently which technologies, are more representative among the patent applications filed, the number of patents filed by residents and non-residents and the major applicants. Thus, the technological areas that aroused the highest interest for both residents and non-residents were identified, that illustrates the non-residents interest in the Brazilian patent system as well as the relevance of the Brazilian market. Furthermore, parallels between the technological areas that showed the highest number of filings and some historical facts that occurred during the studied period were assessed.

Biography

Adriana Brigante Deorsola is an Industrial Property Researcher at INPI and Professor of the Academy of Intellectual Property. She has completed D.Sc. in Chemical Engineering and M.Sc. in Energetic Planning from COPPE/UFRJ.

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